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THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-937, 19 DEC 66.

21 DEC 1966

DISTRIBUTION

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((TEXT WHICH FOLLOWED WAS IDENTICAL TO ABOVE CITED MSN G-937)).

S E C R E T

-END OF MESSAGE-

S/C NOTE: ALSO PASSED

25X1

GROUP 1
Excluded from automatic downgrading and declassification

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Sec-1
P-1

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-937, 19 DEC 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

PLEASE

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C @CLEAR¤, SC @SCATTERED CLOUD COVER¤, HC @HEAVY CLOUD COVER¤, H @HAZE¤, CS @CLOUD SHADOW¤, SD @SEMIDARKNESS¤, GC @GROUND COVER¤, CF @CAMOUFLAGE¤, O @OBLIQUITY¤, AND GR @GROUND RESOLUTION¤.
INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD¤, F @FAIR¤, OR P @POOR¤. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL¤ OR PT @PARTIAL¤. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO¤, NS @NONSTEREO¤, OR PS @PARTIAL STEREO¤.
AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT @ZPU-2, ZPU-4, AND 37MM¤, MEDIUM @57MM AND 85MM¤, AND HEAVY
P-2 @100MM AND LARGER¤. WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED¤.

MISSILES

CAMPO FLORIDO SAM SITE A07-2 CU 2309N 08202W
OB -- 3 EMPLACED LAUNCHERS, 5 PROBABLE MISSILE TRANSPORTERS, AN OCCUPIED GUIDANCE AREA, AND APPROXIMATELY 18 VEHICLES OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES¤, 1 ADDITIONAL LAUNCHER, 10 MISSILE TRANSPORTERS @7 WITH EXPOSED MISSILES¤, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, A TRUCK-MOUNTED CRANE, AND 4 OTHER VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W
P-3 OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES¤, 7 MISSILE TRANSPORTERS @4 WITH EXPOSED MISSILES¤, A FAN SONG RADAR WITH CANVAS-COVERED EQUIPMENT, AND 3 VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

MALDONADO SAM SITE A18-2 CU 2012N 07528W
OB -- 6 EMPLACED LAUNCHERS, AT LEAST 3 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH AT LEAST 5 ASSOCIATED VAN TRAILERS, AND 5 OTHER VEHICLES.
OBLIQUITY

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NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

RANCHUELO SAM SITE A33-2 CU 2223N 08010W
PERMANENT SITE REMAINS UNDER CONSTRUCTION.
OB @AT PERMANENT SITE¤ -- 2 PROBABLE EMPLACED LAUNCHERS.
OB @AT ADJACENT TEMPORARY SITE¤ -- 4 EMPLACED LAUNCHERS @2 WITH MISSILES¤, 10 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 12 ZIL-157V TRUCK
P-4 TRACTORS, 2 CARGO TRUCKS, AND 2 VAN TRAILERS.
NO APPARENT CHANGE IN SUPPORT FACILITIES.

25X1

SANTA CLARA SAM SITE A34-2 CU 2229N 08000W
PERMANENT SITE REMAINS UNDER CONSTRUCTION.
OB @AT ADJACENT TEMPORARY SITE¤ -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES¤, 10 MISSILE TRANSPORTERS, A GUIDANCE RADAR WITH 6 ASSOCIATED VAN TRAILERS, 2 OTHER VAN TRAILERS, AND AT LEAST 11 PROBABLE CARGO TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W
OB -- 6 EMPLACED LAUNCHERS @5 WITH MISSILES¤, 11 MISSILE TRANSPORTERS @4 WITH EXPOSED MISSILES¤, 1 FAN SONG RADAR WITH SHED-COVERED ASSOCIATED EQUIPMENT, 3 TRACKED PRIME MOVERS, AND 9 OTHER VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

P-5 25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W
OB -- 6 MISSILE TRANSPORTERS, NUMEROUS MISSILE CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, 15 CARGO TRUCKS, AND 10 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO SAM TRAINING AREA CU 1958N 07551W
OB -- 12 CARGO TRUCKS, 18 VAN TRUCKS, 3 PROBABLE GENERATORS, AND 6 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

CONSTANCIA SAM SITE A10-2 CU 2214N 08030W
OB -- 6 EMPLACED LAUNCHERS, 6 PROBABLE MISSILE TRANSPORTERS, AN OCCUPIED GUIDANCE AREA, AND 11 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA VEGUITA SAM ASSEMBLY AREA CU 2049N 07615W
OB -- 2 MISSILE TRANSPORTERS, NUMEROUS MISSILE
P-6 CANISTERS, 5 CANISTER TRANSPORTERS, 5 ZIL-157V TRUCK TRACTORS

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NO APPAR

25X1

SAN PEDRO DE CACOCUM SAM SITE 1 CU 2047N 07615W
OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1

SAN PEDRO DE CACOCUM SAM SITE 2 CU 2045N 07615W
OB -- 6 EMPLACED LAUNCHERS @4 WITH MISSILES¤, 8 MISSILE
TRANSPORTERS @7 WITH EXPOSED MISSILES¤, AND A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA MAYA SAM SITE CU 2014N 07540W
OB -- NONE OBSERVED.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE CU 2309N 08156W
Sec-9 P1 LAUNCH POSITIONS AND GUIDANCE AREA REMAIN VACATED.
OB -- 12 CRUISE-MISSILE CRATES.

25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 2229N 07956W
OB -- 18 FAGOT/FRESCO, 1 SMALL LIAISON, 2 HOUND @1
WITHOUT ROTORS¤.
ACTIVITY -- 10 PROBABLE MIG 17 SHIPPING CRATES REMAIN
TO REAR OF THE MAIN PARKING AREA.

25X1

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 5 FAGOT/FRESCO AND 1 HOUND.
ACTIVITY -- 7 OCCUPIED 6-GUN AAA SITES.

25X1

P-2 LOS CANOS AIRFIELD CU 2005N 07509W
OB -- NONE OBSERVED.

25X1

ANTONIO MACEO AIRFIELD CU 1958N 07550W
OB -- 1 CAB, 2 COLT, 2 MORAVA L-200, AND 1 HOUND.

25X1

BAYAMO AIRFIELD EAST CU 2022N 07637W
OB -- 2 COLT, 1 LIAISON, AND 1 HOUND.
NO APPARENT CHANGE IN FACILITIES.

25X1

BAYAMO AIRFIELD CU 2023N 07637W
OB -- NONE OBSERVED.
ACTIVITY -- RUNWAY EXTENSION REMAINS UNDER
CONSTRUCTION.

25X1

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CIENFUEGOS NAVAL BASE CU 2230N 08007W
OB -- NONE OBSERVED.
P-3 OTHER VESSELS -- 1 LARGE FREIGHTER.

25X1

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- NONE OBSERVED.
VESSELS -- 5 LARGE FREIGHTERS AND 1 TANKER.

25X1

LA ISABELA PORT CU 2256N 08000W
VESSELS -- NONE OBSERVED.

25X1

CAIBARIEN PORT CU 2231N 07928W
VESSELS -- NONE OBSERVED.

25X1

CARDENAS PORT CU 2302N 08111W
VESSELS -- NONE OBSERVED.

25X1

MATANZAS PORT CU 2302N 08134W
VESSELS -- 1 LARGE FREIGHTER.

25X1

P-4 ELECTRONICS/COMMUNICATIONS
SANTA CLARA EW/GCI RADAR SITE CU 2229N 07956W
OB -- 1 PROBABLE BAR LOCK RADAR, AND 1 PROBABLE ROCK CAKE/STONE CAKE RADAR.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1

HOLGUIN EW/GCI RADAR SITE CU 2048N 07618W
OB -- 1 BAR LOCK RADAR, 1 ROCK CAKE/STONE CAKE RADAR AND 1 FLAT FACE RADAR.

25X1

SANTIAGO DE CUBA EW/GCI RADAR SITE CU 1959N 07551W
OB -- NONE OBSERVED.
ACTIVITY -- 14 TRACKED PRIME MOVERS, 24 CARGO TRUCKS, AND 7 VAN TRUCKS.

25X1

SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W
OB -- 1 TOKEN-TYPE RADAR.

25X1

LA SOCAPA LOW SIEVE RADAR SITE CU 1958N 07552W
OB -- 1 LOW SIEVE RADAR.

P-5 25X1

SAN MIGUEL EW/GCI RADAR SITE CU 2229N 07953W
OB -- 1 TOKEN-TYPE RADAR AND 1 ROCK CAKE/STONE CAKE RADAR.
ACTIVITY -- 6 VAN TRAILERS.

25X1

MILITARY ACTIVITY

GUANTANAMO AREA CU 2018N 07525W
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AREAS 1, [redacted] 50 PERCENT USEABLE COVERAGE.
AREAS 3, 6, 9 -- 100 PERCENT USEABLE COVERAGE.

[redacted] 25X1

HOLGUIN MILITARY CAMP CU 2053N 07613W
OB -- AT LEAST 50 FA PIECES AND 100 OTHER VEHICLES.
OBLIQUITY LIMITS INTERPRETATION.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

HOLGUIN MILITARY CAMP NW CU 2057N 07616W
OB -- 8 PROBABLE FA PIECES AND 14 PROBABLE CARGO
TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

REMEDIOS MILITARY AREA CU 2227N 07935W
OB -- 26 TANKS/SP GUNS, 29 FA PIECES, 6 AAA PIECES, 11
MORTARS, AND AT LEAST 170 CARGO TRUCKS.
ACTIVITY -- 3 OCCUPIED 6-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

CUABITAS MILITARY CAMP CU 2003N 07548W
OB -- 15 TANKS/SP GUNS AND 3 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

LA QUINTA MILITARY CAMP CU 2002N 07551W
OB -- 5 FA PIECES, 9 MORTARS, AND 5 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

LIMONAR MILITARY CAMP SE CU 2255N 08124W
OB -- 19 CARGO TRUCKS.
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

LIMONAR TANK TRAINING AREA CU 2254N 08121W
OB -- NONE OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

OFELIA MILITARY CAMP CU 2006N 07530W
OB -- 47 FA PIECES, 18 AAA PIECES, 24 MORTARS, AND 29
CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

SANTA CLARA ARTILLERY TRAINING AREA CU 2222N 08000W
OB -- 18 AAA PIECES AND 13 CARGO TRUCKS.
ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W
OB -- 3 AAA PIECES, 6 MORTARS, AND 15 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES. 25X1

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SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W
OB -- 40 FA PIECES, 2 MORTARS, 15 AAA PIECES, 10 TRACKED PRIME MOVERS, 33 CARGO TRUCKS, AND 8 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

LAS MERCEDES VEHICLE PARK CU 2224N 08001W
OB -- 2 TRACTOR-TRAILER TRUCKS, AT LEAST 15 CARGO TRUCKS, APPROXIMATELY 33 VAN TRUCKS, AND 5 VAN TRAILERS.
NO APPARENT CHANGE IN FACILITIES.

[redacted] 25X1

SIBONEY LANDING BEACH CU 1957N 07542W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

P-3 PLAYA YATERITAS LANDING BEACH CU 1958N 07457W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

MAR VERDE LANDING BEACH CU 1957N 07556W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

IMIAS LANDING BEACH CU 2005N 07440W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

MOA @PUNTA GORDA¤ LANDING BEACH CU 2039N 07453W
NO NEW MILITARY ACTIVITY OBSERVED.

[redacted] 25X1

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

PUNTA MAISI LOW SIEVE RADAR SITE	2014N 07409W
PUNTA MULAS SUSPECT LOW SIEVE RADAR SITE	2101N 07535W
MATANZAS LANDING BEACH	2301N 08126W
NICARO LANDING BEACH	2042N 07533W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

CIFUENTES SAM ASSEMBLY AREA	2236N 08005W
P-4 CORONEL PASCUAL AIRFIELD	2307N 08117W
JAIME GONZALES AIRFIELD	2209N 08024W
SAGUA LA GRANDE EW/GCI RADAR SITE 2	2248N 08006W
DOS CAMINOS MILITARY CAMP	2014N 07547W
EL CRISTO MILITARY INSTALLATION	2008N 07547W
SANTA CLARA MILITARY ACTIVITY	2220N 07957W
SANTA CLARA MILITARY CAMP SOUTH	2222N 07958W
PENINSULA DE HICACOS LANDING BEACH	2311N 08130W

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